

IN THE CLAIMS:

This Listing of Claims will replace all prior versions, and listings, of claims in the subject Patent Application:

Listing of Claims:

1. **(Currently Amended)** A communications and data display system for a multi-user meeting comprising:

a projection system for displaying a shared image upon a shared screen, the projection system including a projector wireless transceiver and a controller; and

at least first and second data appliances each operable independent of the shared screen to display at least a portion of the shared image thereat, the first and second data appliances respectively including first and second wireless transceivers, wherein:

the first and second wireless transceivers are independently operable to transfer and receive graphical image data of the shared image to and from the projector wireless transceiver;

the projection system displays the shared image responsive to the graphical image data; and

the transfer of the graphical image data and display of the shared image are controlled by the controller using first control data;

whereby the first and second data appliances provide a capability to simultaneously modify the same shared image and transfer the modified image.

2. (Previously presented) The communications and data display system of claim 1, wherein:

the first wireless transceiver transfers a first signal to the projector wireless transceiver;

the projector wireless transceiver transfers the first signal to the second wireless transceiver; and

the transfer of the first signal from the first data appliance to the second data appliance is controlled by the controller using second control data.

3. (Previously presented) The communications and data display system of claim 2, wherein:

the second wireless transceiver transfers a second signal to the projector wireless transceiver;

the projector wireless transceiver transfers the second signal to the first wireless transceiver; and

the transfer of the second signal from the second data appliance to the first data appliance is controlled by the controller using the second control data.

4. (Previously presented) The communications and data display system of claim 1, wherein:

the projection system further comprises an interface to an external network; the first wireless transceiver transfers a first signal to the projector wireless transceiver;

the projector wireless transceiver transfers the first signal to the external network; and

the transfer of the first signal from the first data appliance to the external network is controlled by the controller using third control data.

5. (Previously presented) The communications and data display system of claim 4, wherein:

the external network transfers a second signal to the projector wireless transceiver;

the projector wireless transceiver transfers the second signal to the first wireless transceiver; and

the transfer of the second signal from the external network to the first data appliance is controlled by the controller using the third control data.

6. (Previously Presented) The communications and data display system of claim 1, wherein:

the first data appliance further comprises a graphics chip, a processing unit,

a memory and a MUX;

the processing unit takes keyboard input from a local keyboard;

the processing unit takes memory graphics input from the memory and provides processing-unit memory output to the memory;

the processing unit provides processing-unit graphics output to the graphics chip and to the MUX;

the processing unit provides processing-unit control output to the MUX;

the graphics chip provides graphics-chip output to a local display and to the MUX; and

the MUX provides MUX output to the first wireless transceiver, the MUX output having a compression format selected from the group consisting of compressed and uncompressed.

7. (Currently Amended) The communications and data display system of claim 1, wherein:

the projection system further comprises a graphics converter and a projector;

the graphics converter receives the graphical image data from the projector wireless transceiver and transfers uncompressed graphical image data to the projector; and

the projector displays the shared image responsive to the uncompressed graphical image data.

8. (Previously Presented) The communications and data display system of claim 7, wherein the graphics converter includes an application-aware graphics chip that transforms compressed graphics data to the uncompressed graphics data.

9. (Currently Amended) The communications and data display system of claim 8, wherein:

the compressed graphical image data includes compressed motion graphics or video data; and

the uncompressed graphical image data includes uncompressed motion graphics or video data.

10. (Currently Amended) A communications and data display system for a multi-user meeting comprising:

a projection system for displaying a shared image upon a shared screen, the projection system including a projector wireless receiver and a controller; and

at least first and second data appliances each operable independent of the shared screen to display at least a portion of the shared image thereat, the first and second data appliances respectively including first and second wireless transmitters, wherein:

the first and second wireless transmitters are independently operable to transfer and receive graphical image data of the shared image to and from the projector wireless receiver;

the projection system displays the shared image responsive to the graphical image data; and

the transfer of the graphical image data and display of the shared image are controlled by the controller using control data;

whereby the first and second data appliances provide a capability to simultaneously modify the same shared image and transfer the modified image.

11. (Previously Presented) The communications and data display system of claim 10, wherein:

the first data appliance further comprises a graphics chip, a processing unit, a memory and a MUX;

the processing unit takes keyboard input from a local keyboard;

the processing unit takes memory graphics input from the memory and provides processing-unit memory output to the memory;

the processing unit provides processing-unit graphics output to the graphics chip and the MUX;

the processing unit provides processing-unit control output to the MUX;

the graphics chip provides graphics-chip output to a local display and to the MUX; and

the MUX provides MUX output to the first wireless transmitter, the MUX output having a compression format selected from the group consisting of compressed and uncompressed.

12. **(Currently Amended)** The communications and data display system of claim 10, wherein:

the projection system further comprises a graphics converter and a projector;

the graphics converter receives the graphical image data from the projector wireless receiver and transfers uncompressed graphical image data to the projector; and

the projector displays the shared image responsive to the uncompressed graphical image data.

13. **(Previously Presented)** The communications and data display system of claim 12, wherein the graphics converter includes an application-aware graphics chip that transforms compressed graphics data to the uncompressed graphics data.

14. **(Currently Amended)** A method for communication and data display for a multi-user meeting, comprising:

transmitting and receiving graphical image data of a shared image from at least one of first and second wireless transceivers of respective first and second data appliances to and from a projector wireless transceiver of a projection system;

displaying a the shared image upon a shared screen responsive to the graphical image data with the projection system;

displaying at each of the first and second data appliances independent of the shared screen at least a portion of the shared image; and

controlling the transmitting of the graphical image data and the displaying of the shared image with a controller using first control data;

whereby the first and second data appliances provide a capability to simultaneously modify the same shared image and transfer the modified image.

15. (Previously presented) The method of claim 14, further comprising:

transmitting a first signal from the first wireless transceiver to the projector wireless transceiver;

transmitting the first signal from the projector wireless transceiver to the second wireless transceiver of the second data appliance; and

controlling the transmission of the first signal from the first data appliance to the second data appliance with the controller using second control data.

16. (Previously presented) The method of claim 15, further comprising:
  - transmitting a second signal from the second wireless transceiver to the projector wireless transceiver;
  - transmitting the second signal from the projector wireless transceiver to the first wireless transceiver; and
  - controlling the transmission of the second signal from the second data appliance to the first data appliance with the controller using the second control data.
17. (Previously presented) The method of claim 14, further comprising:
  - transmitting a first signal from the first wireless transceiver to the projector wireless transceiver;
  - transmitting the first signal from the projector wireless transceiver to an external network, the projection system including an interface to the external network; and
  - controlling the transmission of the first signal from the first data appliance to the external network with the controller using third control data.

18. (Previously presented) The method of claim 17, further comprising:

transmitting a second signal from the external network to the projector wireless transceiver;

transmitting the second signal from the projector wireless transceiver to the first wireless transceiver; and

controlling the transmission of the second signal from the external network to the first data appliance with the controller using the third control data.

19. **(Currently Amended)** The method of claim 14, further comprising:

transmitting a keyboard input from a local keyboard to the first data appliance;

converting compressed graphical image data to uncompressed graphical image data at the first data appliance; and

controlling a flow of uncompressed graphical image data and compressed graphical image data to the first wireless transceiver.

20 **(Currently Amended)** The method of claim 19, wherein:

the compressed graphical image data includes compressed motion graphics or video data; and

the uncompressed graphical image data includes uncompressed motion graphics or video data.

21. **(Currently Amended)** The method of claim 14, further comprising:

converting compressed graphical image data to uncompressed graphical image data at the projection system;

controlling a flow of uncompressed graphical image data to a projector of the projection system; and

using the projector to display the shared image responsive to the uncompressed graphical image data.

22. **(Currently Amended)** The method of claim 21, wherein converting compressed graphical image data to uncompressed graphical image data includes using an application-aware graphics chip to transform compressed graphical image data to uncompressed graphical image data.

23. **(Previously presented)** The communications and data display system of claim 1, wherein the first control data includes at least one of:

projector control data of the projection system; and

a first control signal of the first data appliance transferred from the first wireless transceiver to the controller via the projector wireless transceiver.

24. **(Previously presented)** The communications and data display system of claim 2, wherein the second control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred from the first

wireless transceiver to the controller via the projector wireless

transceiver; and

a second control signal of the second data appliance transferred from the

second wireless transceiver to the controller via the projector

wireless transceiver.

25. (Previously presented) The communications and data display system of claim 4, wherein the third control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred from the first

wireless transceiver to the controller via the projector wireless

transceiver; and

an external control signal of the external network transferred to the

controller via the interface to the external network.

26. (Previously presented) The communications and data display system of claim 10, wherein the control data includes at least one of:

projector control data of the projection system; and

a first control signal of the first data appliance transferred from the first

wireless transmitter to the controller via the projector wireless

receiver.

27. (Previously presented) The communications and data display system of claim 14, wherein the first control data includes at least one of:

projector control data of the projection system; and

a first control signal of the first data appliance transferred from the first wireless transceiver to the controller via the projector wireless transceiver.

28. (Previously presented) The communications and data display system of claim 15, wherein the second control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred from the first wireless transceiver to the controller via the projector wireless transceiver; and

a second control signal of the second data appliance transferred from the second wireless transceiver to the controller via the projector wireless transceiver.

29. (Previously presented) The communications and data display system of claim 17, wherein the third control data includes at least one of:

projector control data of the projection system;

a first control signal of the first data appliance transferred from the first

wireless transceiver to the controller via the projector wireless

transceiver; and

an external control signal of the external network transferred to the

controller via the interface to the external network.

30. **(Currently Amended)** The communications and data display system of claim 1, wherein the graphical image data is transferred at frequencies of approximately 5 GHz.

31. **(Currently Amended)** The communications and data display system of claim 10, wherein the graphical image data is transferred at frequencies of approximately 5 GHz.

32. **(Currently Amended)** The method for communication and data display of claim 14, wherein the graphical image data is transferred at frequencies of approximately 5 GHz.